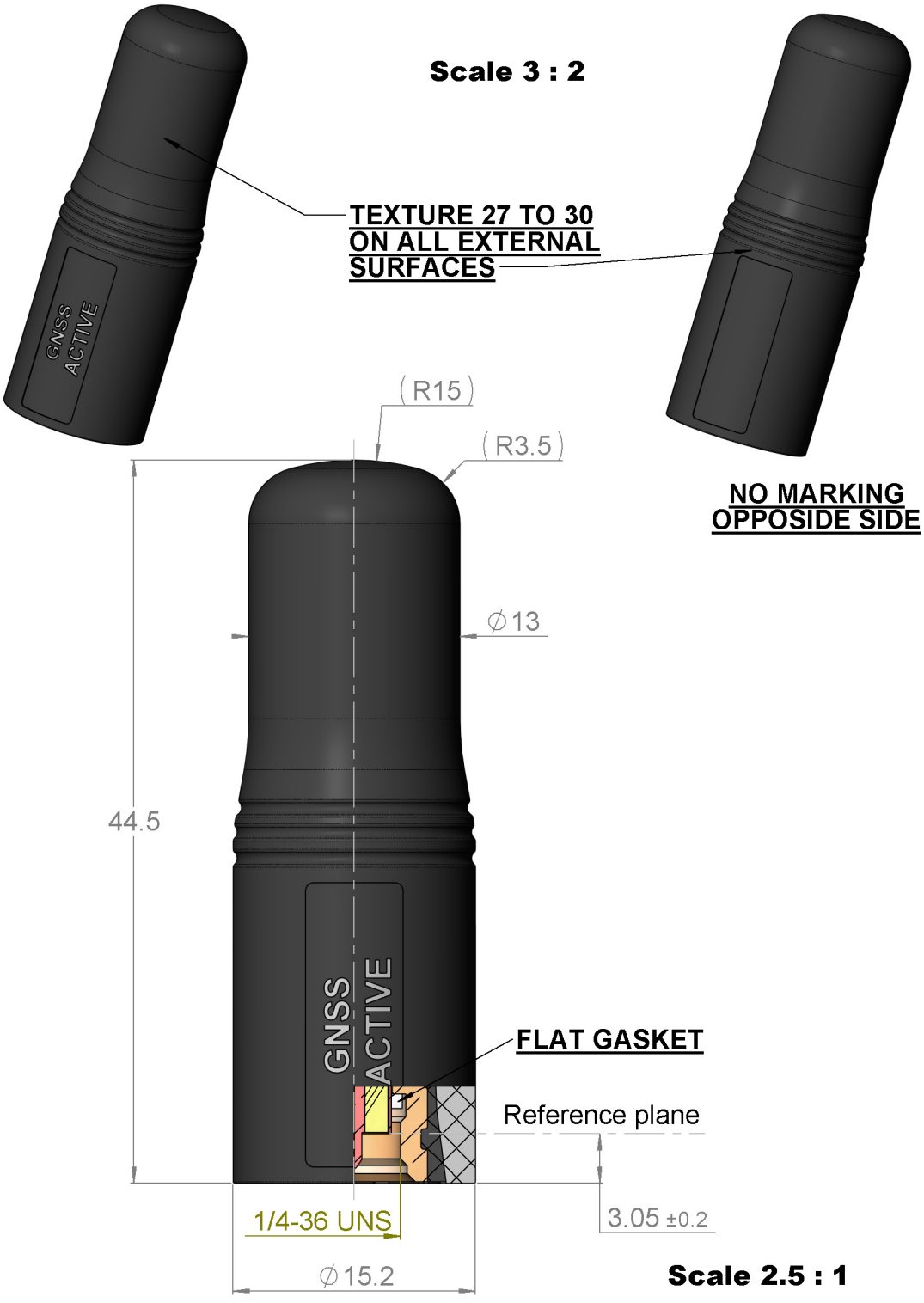
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Scale 3 : 2



Scale 2.5 : 1

All dimensions are in mm. Tolerances according ISO 2768 m-H

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ELECTRICAL CHARACTERISTICS

Frequency Ranges :	**GALILEO E1 - GPS L1 (1559-1591)**	MHz
	GLONASS (1597-1607)	MHz
Nominal Impedance :	**50**	Ω
VSWR :	**2.5:1**	Typ.
Typical overall gain :	**10**	dBic

Electrical performance are defined and tested according to a metallic ground plan where the antenna is installed on

Radiation pattern:	**Dipolar**	
Polarization :	**Linear vertical**	
Output P1 dB	**8**	dBm
Noise Figure (LNA alone)	**0.55**	dB
Supply Voltage	**3**	V typ.
	2.0	V min
	3.5	V max
Supply Current	**3.8**	mA typ
Connector type :	**Male SMA**	

MECHANICAL CHARACTERISTICS

Antenna color :	**BLACK**	
Radome material :	**Ultem 1000**	
Radome texture :	**Charmille 27-30**	
Overall length :	**44.5**	mm
Weight (±15%)	**10**	g

ENVIRONMENTAL CHARACTERISTICS

Operating temperature :	**-40/+71** **IAW MIL-STD-810G** **Meth. 501.5 & 502.5, Proc. II**	° C
Storage temperature :	**-40/+85** **IAW MIL-STD-810G** **Meth. 501.5 & 502.5, Proc. I**	° C
Thermal Shocks	**-51 / + 85°C** **IAW Mil-Std-810G** **Meth. 503.5, proc. Ic.**	
Humidity:	**Induced Hot Humid** **IAW MIL-STD-810G** **Meth 507.5, proc II**	
Immersion (mated)	**1m for 2 hours** **IAW MIL-STD-810G** **meth 512.5, proc I**	
Solar Radiation	**MIL-STD-810G, Meth 505.5, Proc. II**	1120 W/m²
Salt Fog	**96h** **(4x24h alterning wet & dry)** **IAW MIL-STD-810G** **meth 509.5**	
Transit Drops	**26 drops from 1.2m high** **IAW MIL-STD-810G** **meth 516.6, proc IV**	
Vibrations	**Tracked Vehicle** **IAW MIL-STD-810G** **Meth.514.6, proc. I**	
Shocks	**½ sine, 40g for 9ms** **IAW MIL-STD-810G** **Meth. 516.6, proc. I**	

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ELECTRICAL PERFORMANCES

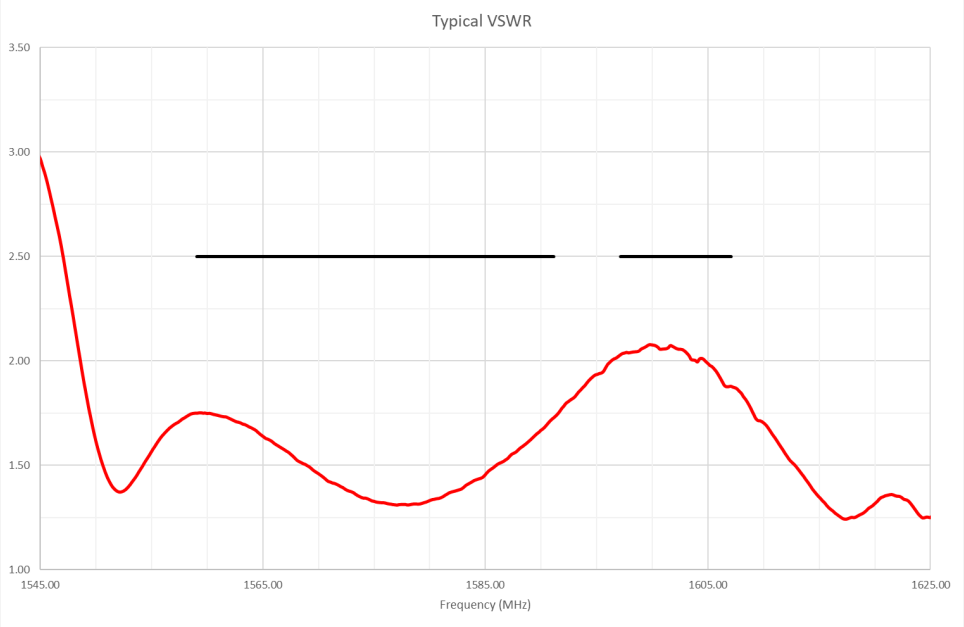


Figure 1: VSWR

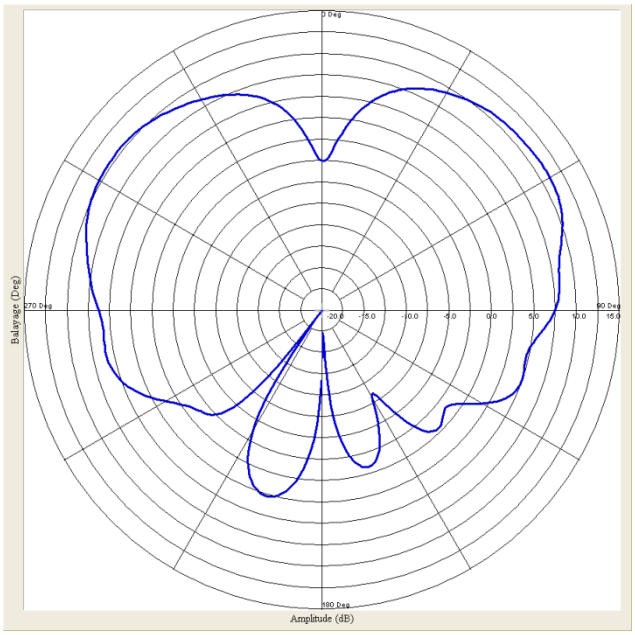


Figure 2: Radiation pattern on ground plane at 1575 MHz (RHCP)

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